

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F17/60 G06K19/00 G11B23/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F G06K G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/183883 A1 (CARR TIMOTHY W ET AL) 5 December 2002 (2002-12-05)  page 5, paragraph 41 abstract page 3, paragraphs 23,25,30 page 4, paragraphs 33,35	1,2,5,6, 12,13, 16,17,23
X	WO 00/23994 A (INTERMEC IP CORP) 27 April 2000 (2000-04-27) page 10, lines 7-15 page 11, lines 14-22 page 12, lines 5-18 page 21, line 1 - page 25, line 10	1-23
A	US 2003/034400 A1 (HAN WENYU ET AL) 20 February 2003 (2003-02-20) page 7, paragraph 113-141 ----- -/-	1-23

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

16 February 2005

Date of mailing of the international search report

29/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Breidenich, M

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 101 12 899 A1 (DCS DIREKTMARKETING & CARD SERVICE GMBH I.INS) 2 October 2002 (2002-10-02) the whole document -----	1-23
A	EP 1 115 077 A (MESTICHELLI, GIOVANNI) 11 July 2001 (2001-07-11) column 2, paragraph 5 -----	1-23

BEST AVAILABLE COPY

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

IB2004/052503

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002183883	A1	05-12-2002	BR 0208008 A CA 2440728 A1 EP 1388120 A1 JP 2004535336 T MX PA03008311 A WO 02095671 A1	02-03-2004 28-11-2002 11-02-2004 25-11-2004 17-02-2004 28-11-2002
WO 0023994	A	27-04-2000	WO 0023994 A1	27-04-2000
US 2003034400	A1	20-02-2003	US 2001010333 A1 US 6193156 B1 US 2005006481 A1	02-08-2001 27-02-2001 13-01-2005
DE 10112899	A1	02-10-2002	NONE	
EP 1115077	A	11-07-2001	IT RI20000001 A1 EP 1115077 A2	09-07-2001 11-07-2001

BEST AVAILABLE COPY